

SEQUENCE LISTING

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<120> GENE RELATED TO MIGRAINE IN MAN

<130> VEOC.003.01US

<140> 09/269,446

<141> 1999-03-26

<150> PCT/NL97/00538

<151> 1997-09-26

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<151> 1996-09-26

<160> 146

<170> PatentIn version 3.0

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 <212> DNA
 <213> human

<400> 20	
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tcctgaacct gcgctacttt gagatgtgca tcctcatggt cattgccatg agcagcatcg	180
ccctggccgc cgaggaccct gtgcagccca acgcacctcg gaacaacgtg agtcccacag	240
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gctcataggt aggggtggat gttgggggtca cccctaggca tagcccttat ggctgctggt	360
tgagagggga agctctgatt ccttggggat gctcttggga gcaagacatt ccttgaggca	420
gtttctctgt gagcctggtg ggggtggaggt ggcccagagt gactggggct gaaaatt	477

<210> 21
 <211> 168
 <212> DNA
 <213> human

<400> 21
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 acaggcgtct ttacctttga gatggtgac aaggtgagt cagattataa gtgagaacac 120
 acggttaattt ttttttttaa gcaagtgcag ggctgggcac agtggatc 168

<210> 22
 <211> 368
 <212> DNA
 <213> human

<400> 22
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 aggtggcctc attggcttcc ctgcctctcc ccgagaggct agagagtggg tggcagcacc 180
 ccagggtggg gatcaggtgg gggttctgag caccctctct tctccccac agatgattga 240
 cctggggctc gtctgcac aggggtgcta ctccgtgac ctctggaata ttctcgactt 300
 catagtggtc agtggggccc tggtagcctt tgccttcacg taagtctctt cgcaagggtt 360
 tcctcttg 368

<210> 23
 <211> 515
 <212> DNA
 <213> human

<400> 23
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 aggtcagctc actttactgc catctgctgg gaagttgtaa taatacaa atccatacac 120
 gatggctagg atgttatcag cacctccttt aatgtgttgt ccttgagcag tgtacaacct 180
 gctcagctgt acatgataac cctgacagtc cccccaccg cccccacca tctcccaatc 240
 tcaccttgag ctttggcagc cgcttgatgg ttttaagagg tcgtagcacc cggaggactc 300
 ggagggattt aatcgtgttg atgtcttttc ctttgctatt gccactgtgg aggaatgttt 360
 aggtgggaag aagggaagag aggaagcaga ggtcaggttg ggtagggggc agcccacagc 420
 tccatgggac cctacccttc ccaggcctag aagtctgggg tgagcttggc acaagcctgc 480

cctttcctgg tgaagagtgg tccatthttac cctgt 515

<210> 24
 <211> 406
 <212> DNA
 <213> human

<400> 24
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 cccacagget gtgtttgact gtgtggtgaa ctcaacttaaa aacgtcttca acatcctcat 120
 cgtctacatg ctattcatgt tcatcttcgc cgtgggtggct gtgcagctct tcaaggggaa 180
 attcttccac tgcactgacg agtccaaaga gtttgagaaa gattgtcggg gggctctccgc 240
 tttccagcac attcccattg gaaccagcag gtgggcaggg gggaagtggc tagaggcatt 300
 ggccacttgg gctcagagac tggagaagtg atgagccttg gaagtgactc agttgcaacc 360
 agcttggatc aagggtagaa agaaaaccgg ttttagaatt tgagtc 406

<210> 25
 <211> 516
 <212> DNA
 <213> human

<220>
 <221> Unsure
 <222> (421)..(516)
 <223> n = g, a, c, t or u

<400> 25
 gatctcaaac tcttggcctc aagtataca tctgccttgg cctcctaaag tgttgggatt 60
 acaggcgtga gcaccatgcc cggcctccaa gacctttctt attgctaagc tctcaggccc 120
 tttatcctcc tgetccccag ggctcctcct ggatagattt ccagtcgggc cacttactgt 180
 ggccagcctt ctcccgtgga cacggtgaag agggtcagca gagcccacag cacattgtcg 240
 taatggaatt catacttctt ccaactcccgg tctcgcgcct tcacctcatt cttctcgtag 300
 aggaggtatt tgctcttgcc acagagagtg gggactgtta gtaaatggga aagaggggct 360
 gtcttgact tgtctttggt tatcagagac agggggaggg aaaggaagag tgggccacca 420
 ncctagactg cttgggaagc agtgacttcc catcctgcca ccatgtgttc ctgtgcttca 480
 taggggatgn cgtgtgcaat ctactttttna ggataa 516

<210> 26
 <211> 489

<212> DNA
 <213> human

<400> 26
 accttcctca tcacccttgg gtccctgtct ctctccttcc tgccccttcc ctctccctgc 60
 cccattcctt gcagggtcct caagcattcg gtggacgcca cctttgagaa ccaggggccc 120
 agccccgggt accgcatgga gatgtccatt ttctacgtcg tctactttgt ggtgttcccc 180
 ttctttctttg tcaatatctt tgtggccttg atcatcatca ccttccagga gcaaggggac 240
 aagatgatgg aggaatacag cctggagaaa aatgaggtgc cacttccaat tccatctgtc 300
 ctttaaaaac tggggacaca cacaaacttt aaaacacaca caacacccag gaaccctttt 360
 ctaggggtac ctgggggagg gaacagaagc attgtcccaa ccgaatccag tcttcagggc 420
 agcccttcat ggagtttcag aggaaacaca tcatatagtg tatgtatcag tcagttttaga 480
 ctaggttat 489

<210> 27
 <211> 512
 <212> DNA
 <213> human

<220>
 <221> Unsure
 <222> (1)..(512)
 <223> n = g, a, c, t or u

<400> 27
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 caactgtanc tgttgggata agaaagcaat ggtgagaagg aanagaganc ccaggaatcc 120
 tggctggggg caananaggc agagactcaa gcagaagcac ttgagaaccg cgacgagtta 180
 gacagagggg gcccggtgta cagccacctt cctcctgect ctgccgctct caccactggc 240
 ctctctcccg cagagggcct gcattgattt cgccatcagt gccaaagccgc tgacccgaca 300
 catgccgcag aacaagcaga gcttccagta ccgcatgtgg cagttcgtgg tgtctccgcc 360
 tttcgagtac acgatcatgg ccatgatcgc cctcaacacc atcgtgctta tgatgaaggt 420
 aagtgcccc aaccagcccc cagcactant taacccccac ctcgttcctg cctctacct 480
 gataaaatga aaccatttgc agatttccca ga 512

<210> 28
 <211> 411
 <212> DNA

<213> human

<220>

<221> Unsure

<222> (306)..(309)

<223> n = g, a, c, t or u

<400> 28

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agtgttgccct ggagaacagc catgaagctg acctcccccac ttcccacttc ccaccctgc      120
tcgctgaccc ctgctactcc tgcttctttc cctagttct atggggcttc tgtggcttat      180
gaaaatgccc tgcggggtgtt caacatcgcc ttcacctccc tcttctctct ggaatgtgtg      240
ctgaaagcca tggcttttgg gattctggta agtaccacct tggggctaca gctatgggct      300
tggaanaanc ccaaggggga acaatgggtc ctggatgatg gtctcccaac gtggccccaa      360
gaacccaac ctcaagggtg gcttcagtat cctgcccagt ggccacagat c      411
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<210> 29

<211> 420

<212> DNA

<213> human

<400> 29

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ctgtcccggg cactccgctg atgggcaact gtgcctctaa catgcaccgg ccagcctagg      60
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tttccgcat gcctggaaca tcttcgactt tgtgactgtt ctgggcagca tcaccgatat      180
cctcgtgact gagtttgggg taagtctccc tccagcttct ctctgggtga ctctgggctg      240
gacgaggcag gcggcagggg gcgggggagc ggtcccagag gcagtgtgtc ccggaagcca      300
tagctgcttg agccagcact tggccatgac cagagagggg gaactggggc cccggggaca      360
agggcagccc ctcaggaggg cattgtgggg agatgggggt aacaaagctt ggctgtaggg      420
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<210> 30

<211> 342

<212> DNA

<213> human

<400> 30

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ttaatagtgc tttctctctc cctccttatt tggggctctgg cttgcttttt tctgttggt      60
tggcttcatg taggggcttc tgtgagtggg gacagctctg agcctttggg gtgggtggat      120
ggtcaccctt ctctctccat ctcccagaa taacttcata aacctgagct ttctccgcct      180
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cttccgagct gcccggtca tcaaacttct ccgtcagggt tacaccatcc gcattcttct	240
ctggaccttt gtgcagtcct tcaaggtgag tctcgtccc tgctgctggc ccaggggctg	300
agaagacagg tgacctcat gctctggctg aatgtagaag tc	342

<210> 31
 <211> 559
 <212> DNA
 <213> human

<220>
 <221> Unsure
 <222> (536) .. (536)
 <223> n = g, a, c, t or u

<400> 31	
cccccaagaa gaatgccac caagccctgg aaggactctg gcacgtggca tatggccacc	60
caaccacgtg gggcagagca ctgggacaag ggaggaagac tgcagtgcgg ctgagggacc	120
cccagcactc ttcttcattg ccttttttcc caccaggccc tgccttatgt ctgtctgctg	180
atcgccatgc tcttcttcat ctatgccatc attgggatgc aggtgagtgt cgtgtcccta	240
aggttcccag agcctcccaa ggagggcagc cacccttaga aaggggtggg tcagaggagc	300
ctggttcaca gaagcagcca tggaggttga gctgggtttc ccagaagcca ctggaggaat	360
ggcagcccct ggtcgtcacc cwmcaattcc acaggtgttt ggtaacattg gcacgcacgt	420
ggaggacgag gacagtgatg aagatgagtt ccaaatcact gagcacaata acttccggac	480
cttcttccag gccctcatgc tctcttccgg tcagaagggg acctgctctg ataattctgt	540
ttccgtgggg tggggtgcc	559

<210> 32
 <211> 316
 <212> DNA
 <213> human

<400> 32	
tcagagccat gctcactgtg tgctccactc ctgaggaggc gttggtacca gtcagggtctg	60
ggtgtccgag tctctgattt ctccctgtcc tcaggagtgc caccggggaa gcttggcaca	120
acatcatgct ttctgcctc agcgggaaac cgtgtgataa gaactctggc atcctgactc	180
gagagtgtgg caatgaattt gcttattttt actttgtttc cttcatcttc ctctgctcgt	240
ttctggtgag tctgtggaca ctgtgagggc cgtctgggct ccctaagcct ggcttccttt	300
cagggagtgg ttctgt	316

<210> 33
 <211> 694
 <212> DNA
 <213> human

<220>
 <221> Unsure
 <222> (413)..(413)
 <223> n = g, a, c, t or u

<400> 33
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 tccccatctt ctctctatcc ctctctccat ctggggcctc tgtgtctgtc tttgggtctg 120
 tctgtccgtc tgactgtctg tacccttctc acttcactca ttcattccct cggctctctgc 180
 cccattctct cttgggtccc ggtccccaca gatgctgaat ctctttgtcg ccgtcatcat 240
 ggacaacttt gactaccta cccgagactc ctccatcctg ggccccacc acctggatga 300
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 ctctggagca ctgaactcct ggggtctcta gcaggggtct cacaggttca gtcaggagag 480
 aagatataag aatcatcacc cttgcatacc ccagattaaa cacgtagggt gccaacctgc 540
 ccaaaccctg gaggactttc tgggaaatga ggagggcgtc aacctgaga tgtctgaaga 600
 gccctctct cctacgagtc tctcctgtct ctactgtga agtctccaga tggtaggat 660
 cgattagcca ggctccagga gaaaccaaca gact 694

<210> 34
 <211> 474
 <212> DNA
 <213> human

<400> 34
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 cagtttatta cgagtaatat ctccccctct cggcttaggc aagaaatgtc ctcatagggt 300
 tgcttgcaag gtttgacttc cactaaaacc tgctagcatc catggaatga gtgtggcttg 360

gggttcttca atatatatat ttcatatata tatatatata tatctctctc tctctaaaaa 420
aacagagcca tctctctttc ttgcattaaa ctagaaaact ctcttagcca acag 474

<210> 35
<211> 413
<212> DNA
<213> human

<220>
<221> Unsure
<222> (323)..(413)
<223> n = g, a, c, t or u

<400> 35
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gcttgccttg ggttttctgt agcggcttct gcggatggac ctgcccgtcg cagatgacaa 120
cacggtccac ttcaattcca ccctcatggc tctgatccgc acagccctgg acatcaagat 180
tgccaagggt aaggaaggga caggggaggc cacagacagg cgtgacaggg tggaactggg 240
gatctctctc ctaccccaaa ctagaggatc tgctgtcacc acccgatct tcattcactc 300
ttccattcat tcgttccaca ggnntttttg gnnnttggnn ntttggtgtt tttttttttt 360
ttttgagaca gagtcttgct ctgttgccca ggcagcagtg cggtgacatg atc 413

<210> 36
<211> 636
<212> DNA
<213> human

<220>
<221> Unsure
<222> (332)..(332)
<223> n = g, a, c, t or u

<400> 36
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gcaggcagtc aggggtctgtc tacaccccca ttgcaggagg agccgacaaa cagcagatgg 120
acgctgagct gcggaaggag atgatggcga tttggcccaa tctgtcccag aagacgctag 180
acctgctggt cacacctcac aagtgtgaaga gctgagccca gccctgggat ccaatccacc 240
aggacagatg gagggggagg gaaaggggag gcctggggag agtggttggt gggctggtat 300
acacagggac ccaggacaag gtccccaaag angcctgccc ttggtgagct caccgtgtgt 360
gtcccccagc cagggacctc accgtgggga agatctacgc agccatgatg atcatggagt 420

actaccggca gagcaaggcc aagaagctgc aggccatgcg cgaggagcag gtgcgctgtt	480
cgccgctctg gggacatctg ggctggggac agtggcttgc atgtcaccac gggaaccaac	540
tggaatatga gggtggtga gccccagggc aggtccctga aaagtagggg ctggtgcaca	600
gcagctcaca cctgcaatct cagtgccttg agaggc	636

<210> 37
 <211> 829
 <212> DNA
 <213> human

<400> 37	
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gccatggagg gttctaagca aaggagggat aggacctgac tcaagtgtc atgggcgccc	120
tctggtggct cttgtggaac agtgggggtg aaggtaggag cgggagacct gggagaaggt	180
gcctgcagtg agagatgagg acgcgggacc aggctggggc tatgacttgg gtggaggagt	240
gagaagtggc ccagttctgc gtggaattgg aagggtctag atggatgaga cctgagagag	300
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ccctcccctc caccagctg gaccaggag gagccctgtg agtgtcacc ctgccaggga	540
gggtggagtgt ggggggtgcc tggtccccac gttctggaag ctgccaagc gccactgct	600
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cctgggtgac ccagcgtgcc caggagatgt tccagaagac gggcacatgg agtccggaac	720
aaggcccccc taccgacatg cccaacagcc agcctaactc tcaggtgcct ctgtcccca	780
actccccaat ggctcccagg gcccgggtgg ttgcgggtgga aggaaccat	829

<210> 38
 <211> 801
 <212> DNA
 <213> human

<220>
 <221> Unsure
 <222> (161)..(161)
 <223> n = g, a, c, t or u

<400> 38

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gggggtttcac aatgttggtc aggctggtct cgaactgctg nccattgtga tctggaggtc	180
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ccctcctgcc ggactcaggc ctgggtaggg actccttcag tctctgaagc agtctgcagg	480
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tgccctggtt ggaggctgca gacaggggag gttgtggaar atttgtgggt gcagcagggt	660
tcaacagggc cagctgagac ctgccacgaa gawcctttga ggccaggagt ttgagaccag	720
gttgggcaac atagcaaac cctgtctctt ttttttttt gagacggagt ttcactcttg	780
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<210> 39

<211> 329

<212> DNA

<213> human

<220>

<221> Unsure

<222> (177)..(177)

<223> n = g, a, c, t or u

<400> 39

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caccatccat ggggctgtga cagaggagaa ggggccggcc acgtgggaat aacctcagtg	120
tatgtacggc ctgcccaggc ccagcaggc tccggcccc tcttctctcc caccctcct	180
ccaggagtc ccgtaatctc taccggctcc cggacccac ctttctttg gcaatcgac	240
cctctcccct ccatggagcc caatccttgt gtgtggtgtc ctgtgtgtgc cctgacccat	300
aagcctggtg gggcggccat ccccatcct	329

<210> 40

<211> 554

<212> DNA

<213> human

<400> 40

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gatcaggggg agccaaggcc ccatggcatc ccctggcccc tgccccagga tggtcacacc    60
gcagtcaccg aaagccacca ccaggctgac acaatggggc aggaaggacc gggaccactt    120
ggtgctagct gctgacccca gccacccggc ctgtcccctc ccccagacca tctcagacac    180
cagcccatg aagcgttcag cctccgtgct gggccccaag gcccgacgcc tggacgatta    240
ctcgctggag cgggtcccg ccgaggagaa ccagcggcac caccagcggc gccgcgaccg    300
cagccaccgc gcctctgagc gctccctggg ccgctacacc gatgtggaca caggtgggca    360
gccctgtggt gctcaggagc aagcagaaca gaggagagga gaggggagga gaaggcaggg    420
cggaggagac actaaggaag aagaaaggga gaggcctcca tggagagggg acagagcggg    480
ccaggcagcg gctgcaggaa cctgggtact accccctccc cccaaccac tgacctgcct    540
cggttcaggg gatc    554
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<210> 41

<211> 461

<212> DNA

<213> human

<400> 41

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ctgtgtgctg tctgaccctc acccggccca ggcttgggga cagacctgag catgaccacc    60
caatccgggg acctgccgtc gaaggagcgg gaccaggagc ggggccggcc caaggatcgg    120
aagcatcgac agcaccacca ccaccaccac caccaccacc atcccccgcc ccccgacaag    180
gaccgctatg cccaggaacg gccggaccac ggccgggcac gggctcggga ccagcgtggt    240
tcccgtcgc ccagcgaggg ccgagagcac atggcgccac ggcaggtggg tgcggctgca    300
agtgacccca ggctgggctc ggccgggagg cggggaggag agaaggggat accccatcca    360
acagccactc taggcaaagg tccccggatc ccggtgtgta ccacctcca tctgcccc    420
aagccaccgg ggtgcccggc ggccggagcg gagcacggat c    461
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<210> 42

<211> 664

<212> DNA

<213> HUMAN

<400> 42

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ttttcattt ctcttttcac ttttgttggt ttggtttccg actcctcccc tccctgtctc    60
actcccctc cteccctccc tctcctctgt ggctgttget tttttccatt caatgtcctg    120
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tgccccccct ctctctctcc tctctctctc cccctctctc cctctctctc cgccccctct	180
cccttcgctc ccctcatctt cctcccaatc ccgtgtctcc tttgattttg ttgtatcttt	240
ttttttgatt tcctttgttt caattttcgt gtagggcagt agttccgtaa gtggaagccc	300
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ccctccacc ccccgccac acgtgtctta tccccctgtg atccgtaagg ccggcggtc	420
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cgggcggcca ccagcggccc tcggaggtac ccaggcccca cgcccgagcc tctggccgga	540
gatcggcgcc cacggggggc cacagcagcg gccgcacgcc caggatggag aggcgggtcc	600
aggcccggcc cggagcgagt ctccagggcc tggtcgacac ggcggggccc ggctggcggc	660
agtc	664

<210> 43
 <211> 6789
 <212> DNA
 <213> HUMAN

<400> 43	
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cagcccgggg cgcaaaggat gtacaagcag tcaatggcgc agagagcgcg gaccatggca	180
ctctacaacc ccatccccgt ccgacagaac tgctcacgg ttaaccggtc tctcttctc	240
ttcagcgaag acaacgtggt gagaaaatac gccaaaaaga tcaccgaatg gcctcccttt	300
gaatatatga ttttagccac catcatagcg aattgcatcg tctcgcact ggagcagcat	360
ctgcctgatg atgacaagac cccgatgtct gaacggctgg atgacacaga accatacttc	420
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Ile Pro Val Arg Gln Asn Cys Leu Thr Val Asn Arg Ser Leu Phe Leu
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Phe Ser Glu Asp Asn Val Val Arg Lys Tyr Ala Lys Lys Ile Thr Glu
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Trp Pro Pro Phe Glu Tyr Met Ile Leu Ala Thr Ile Ile Ala Asn Cys
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Ile Val Leu Ala Leu Glu Gln His Leu Pro Asp Asp Asp Lys Thr Pro

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Pro Leu Leu Gln Ile Gly Leu Leu Leu Phe Phe Ala Ile Leu Ile Phe				
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